

IN THE CLAIMS

Please amend the claims as follows:

1. (Original) Equipment for purifying air, in particular aircraft cabin air, the equipment being characterized in that it comprises means (10, 20, 30, 40) for injecting a spray of water laden with nascent oxygen into the air to be purified.
2. (Original) Equipment according to claim 1, characterized in that it further comprises a particle filter (50) interposed on the path of the air to be treated.
3. (Original) Equipment according to claim 2, characterized in that the particle filter (50) includes adsorption means.
4. (Original) Equipment according to any one of claims 1 to 3, characterized in that the means for injecting a spray of water laden with nascent oxygen comprise a source of mineralized water (10, 20) and an activator (30) in which the mineralized water is put into contact with a metallic catalyst of suitable purity.
5. (Original) Equipment according to claim 4, characterized in that the metallic catalyst is a precious metal such as silver.
6. (Original) Equipment according to claim 5, characterized in that the metallic catalyst is provided on a medium having large specific surface area.
7. (Currently Amended) Equipment according to ~~any one of claims 4 to 6~~ claim 5, or claim 6, characterized in that the source of mineralized water comprises a supply (10) of water that is mineralized little or not at all, and a mineralization reactor (20).
8. (Currently Amended) Equipment according to claim 7, used in an aircraft having at least one engine with an associated compressor, characterized in that the water supply (10) is fed from condensates coming from said compressor.

9. (Currently Amended) Equipment according to ~~any one of claims 4 to 8~~claim 4, characterized in that the means for injecting a spray of water laden with nascent oxygen further comprise a mixing chamber (40) receiving both the air to be treated and the water laden in nascent oxygen from the activator (30).

10. (Canceled)

11. (Canceled)

12. (Currently Amended) Equipment according to ~~any preceding claim 1~~, characterized in that it further comprises means for mixing the purified air with new air.

13. (New) Equipment according to claim 1, further comprising:

a particle filter (50) located downstream from the mixing chamber and interposed on the path of the air to be treated, wherein the metallic catalyst is a precious metal and the source of mineralized water includes a supply (10) of water that is one of not mineralized and mineralized; and

a mineralization reactor (20).

14. (New) Equipment according to claim 1, further comprising:

a particle filter (50) located downstream from the mixing chamber and interposed on the path of the air to be treated, wherein the particle filter (50) includes adsorption means, and the metallic catalyst is a precious metal and the source of mineralized water comprises a supply (10) of water that is one of mineralized and not mineralized; and

a mineralization reactor (20).

15. (New) Equipment according to claim 1, further comprising;

a particle filter (50) located upstream from the mixing chamber and interposed on the path of the air to be treated, wherein the metallic catalyst is a precious metal and the source of mineralized

water comprises a supply (10) of water that is one of mineralized and not mineralized; and
a mineralization reactor (20).

16. (New) Equipment according to claim 1, further comprising;

a particle filter (50) located upstream from the mixing chamber and interposed on the path of the air to be treated, wherein the particle filter (50) includes adsorption means, and the metallic catalyst is a precious metal and the source of mineralized water comprises a supply (10) of water that is one of mineralized and not mineralized; and

a mineralization reactor (20).